



# Birla Institute of Technology & Science, Pilani

## Pilani Campus

Ref: SP/YO/699/2018

3<sup>rd</sup> Aug, 2020

### CALL FOR JUNIOR RESEARCH FELLOW FOR A DST-SYST PROJECT

Applications are invited from eligible candidates for Junior Research Fellow (JRF) to work on the following project sponsored by DST-SYST (SP/YO/699/2018) under supervision of Dr. Sundaresan Raman, at Department of Computer Science and Information Systems, BITS-Pilani- Pilani campus, Rajasthan. The details are as follows:

**Project Title:** Mobile App for assisting Indian farmers in improving yield by automatic identification of plant diseases (Rice and Tomato).

**Principal Investigator:** Dr. Sundaresan Raman

**Project Description:** The project entails identifying the diseased portion of the plant in leaves/fruit and consists of the following modules: a) image acquisition b) image processing and developing models using machine learning/deep learning, as well as identifying the best model for a specific set of input criteria, c) development of a mobile app that would interface with the model deployed over cloud to identify and diagnose the diseases in plants.

**Fellowship:** Rs. 31,000/- (as per DST-SYST and institute guidelines)

**Project Duration:** ~ 18 months

**Essential Qualifications:** M.E./M-Tech (with minimum 60% marks) in Computer Science and Engineering, Information Technology, Information Systems, Software Systems or relevant area

**Desirable Qualifications:** GATE or UGC-NET qualification\*

**Application Deadline:** 31/08/2020

**Tentative Interview Date:** 03/09/2020

**Expected joining Date:** 10/09/2020

**Application Procedure:**

- Interested and eligible candidates can send their C.V. or resume, a cover letter with details about educational qualifications, research experience, and other relevant details to the PI at [sundaresan.raman@pilani.bits-pilani.ac.in](mailto:sundaresan.raman@pilani.bits-pilani.ac.in) with the subject "Application for JRF position".
- Only shortlisted candidates will be informed through email and called for interview through video conference (Google Meet/Skype) or at CSIS department at BITS Pilani, Pilani campus, Raj.

**Notes:**

1. \*Non-NET/Non-GATE applicants would be considered at fellowship of Rs 25,000/- pm as per DST.
2. For any queries regarding the position, please feel free to email the PI.
3. The selected candidate will be encouraged to join the PhD program at BITS Pilani, as per the institute rules
4. No TA/DA will be paid for attending the interview.

**Sundaresan Raman (PI)**

Assistant Professor



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